

#### Beauty and the Beast: Plate Tectonics, Landscape Development, and Geological Hazards of the United States

#### <u>Goals</u>

- 1. To provide Southwest teachers with an overview of the tectonic processes responsible for the spectacular landscapes of the United States.
- 2. To introduce the teachers to efforts by EarthScope to monitor active Earth processes that form the landscape and cause earthquakes and other natural hazards.



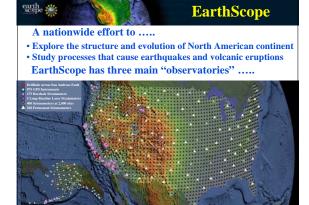
Beauty and the Beast: Plate Tectonics, Landscape Development, and Geological Hazards of the United States

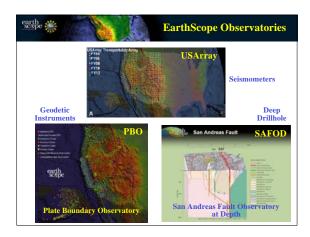
### <u>Objectives</u>

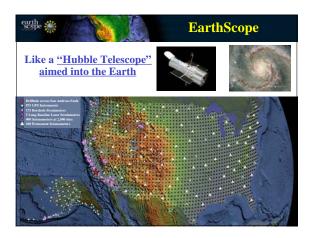
- Teachers will be able to:
- 1. Describe EarthScope's three observatories and give examples of how each monitors the active Earth.
- 2. Discuss tectonic processes responsible for the landscape of a region of the US and describe how seismic and GPS instruments reveal the region's deep structure and ongoing tectonic activity.









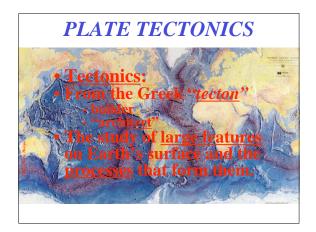


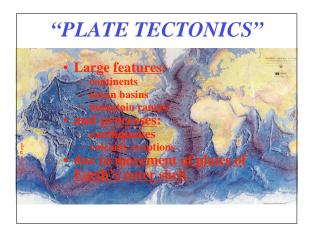


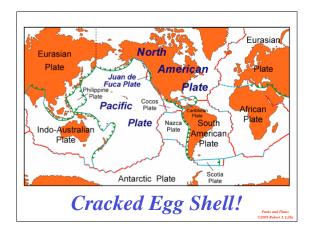


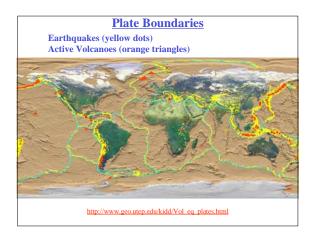


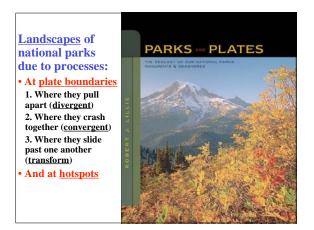


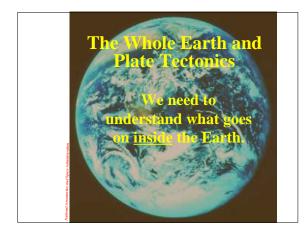


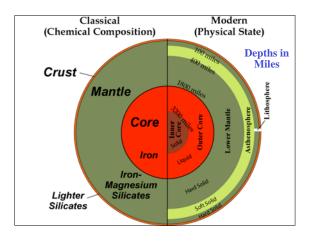


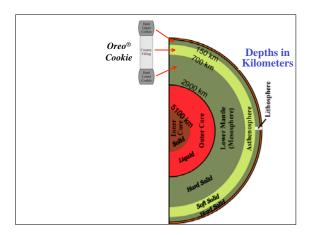


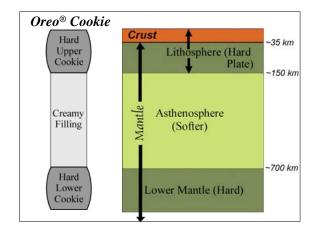














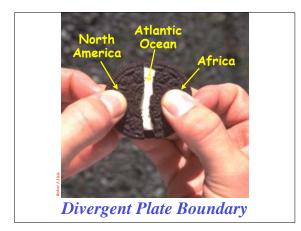
## **Oreo<sup>®</sup> Psycho-Personality Test**

- Psychologists have discovered that the manner in which people eat Oreo<sup>®</sup> cookies provides great insight into their personalities. Choose which method best describes your favorite method of eating Oreos:
- 1. The whole thing at once.
- 2. One bite at a time.
- 3. Slow and methodical nibbles examining the results of each bite afterwards.
- 4. In little feverous nibbles.
- 5. Dunked in some liquid (milk, coffee .....)
- 6. Twisted apart, the inside, then the cookie.
- 7. Twisted apart, the inside, and toss the cookie.
- 8. Just the cookie, not the inside.
- 9. I just like to lick them, not eat them.
- 10. I don't have a favorite way because I don't like Oreos.

# 6. Twisted apart, the inside, then the cookie.

- You have a highly curious nature.
- You take pleasure in breaking things apart to find out how they work, though you're not always able to put them back together, so you destroy all the evidence of your activities.
- You deny your involvement when things go wrong.
- You are a compulsive liar and exhibit deviant, if not criminal, behavior.

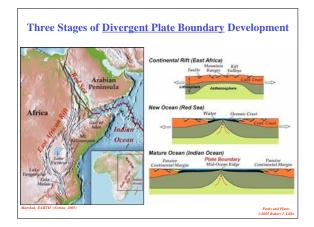


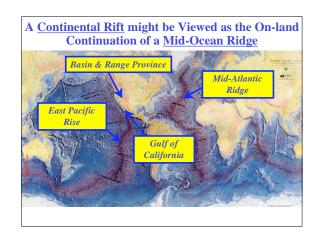


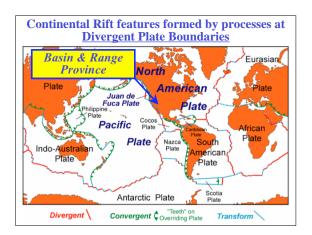


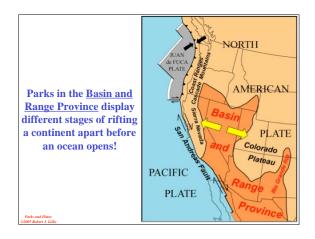






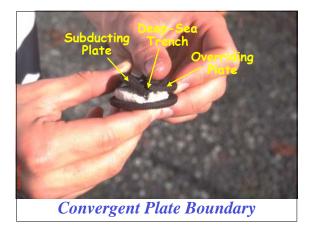


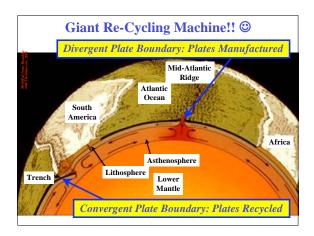


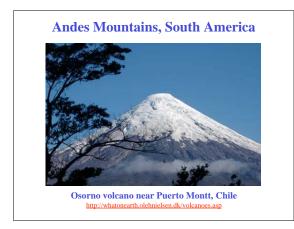


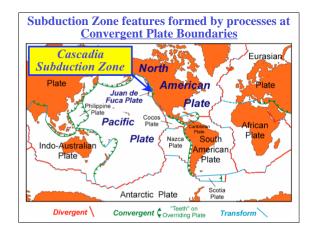


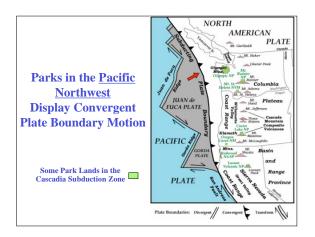


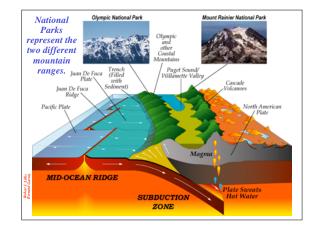


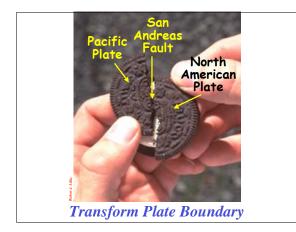


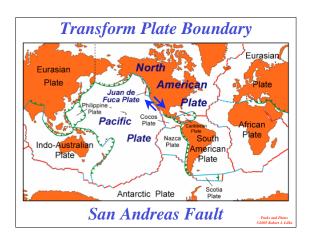








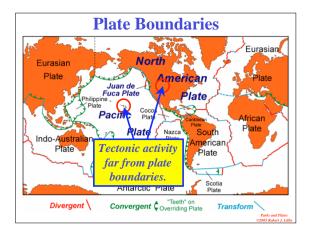


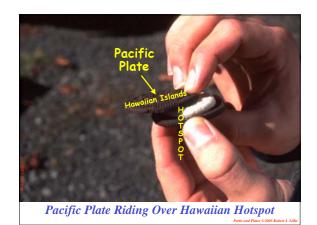


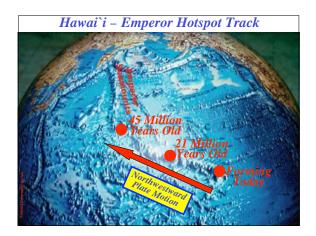


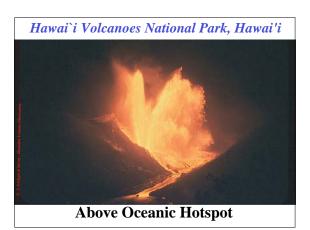


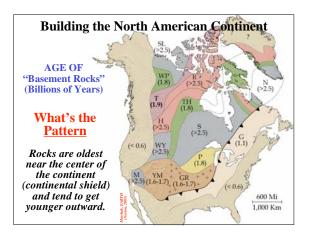


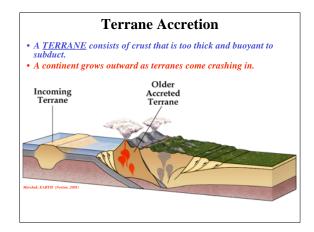














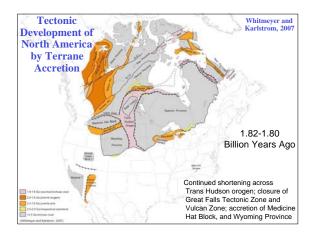


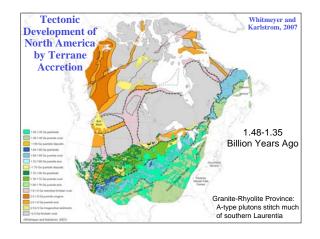


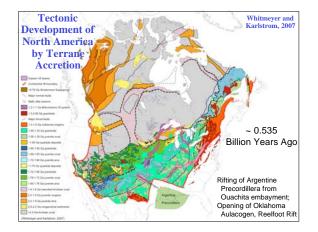


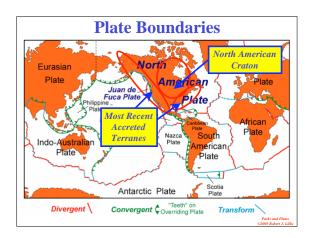








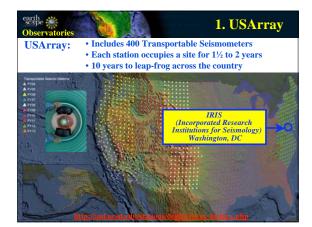






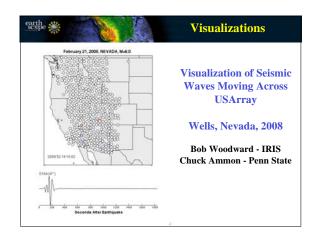


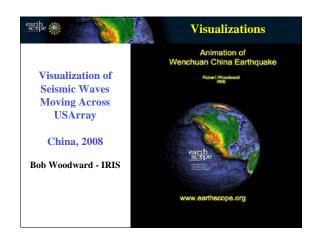


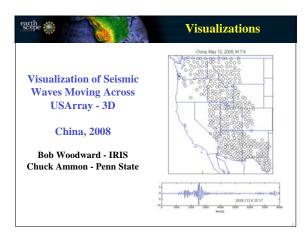


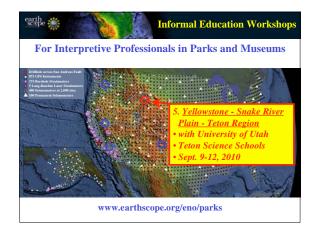




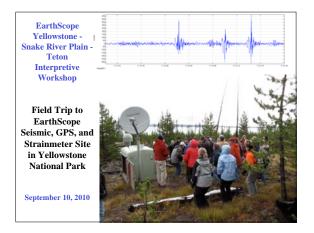


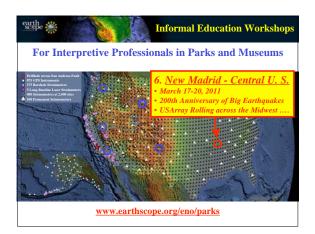




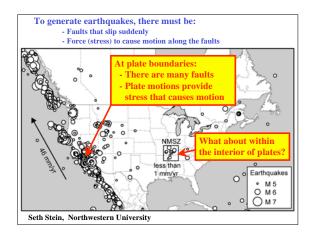


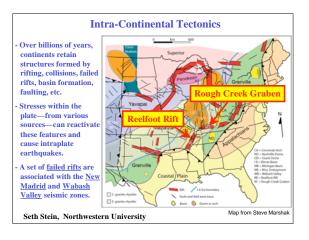


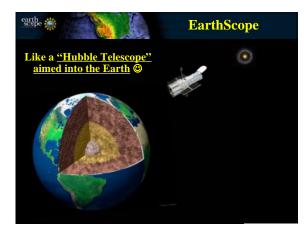


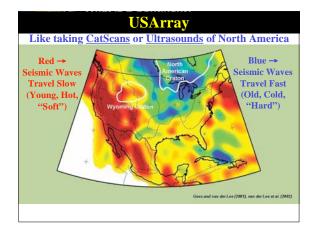


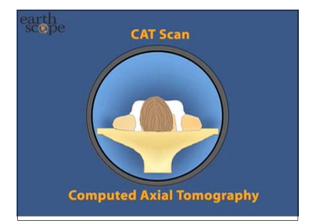


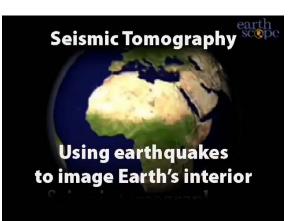


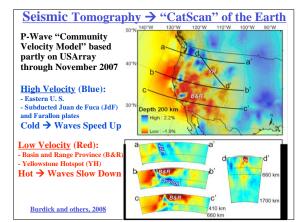


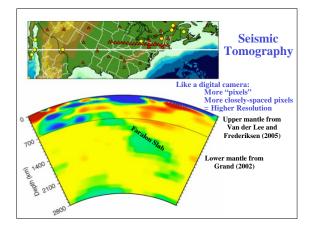


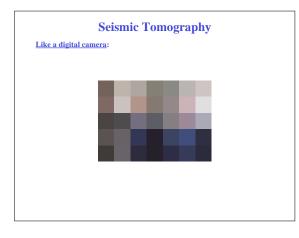


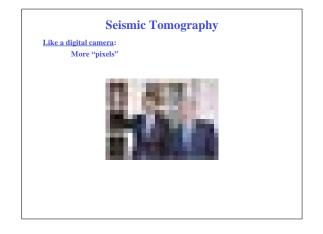


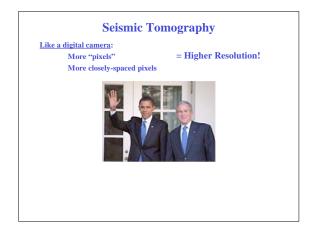


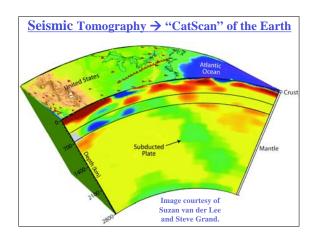




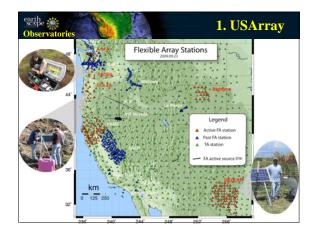


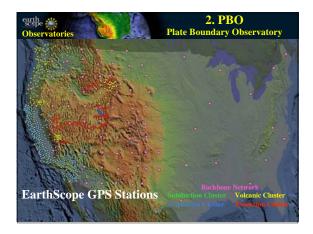


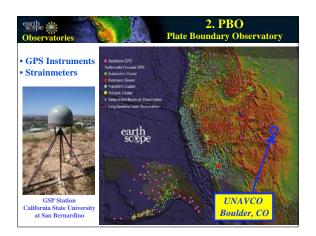


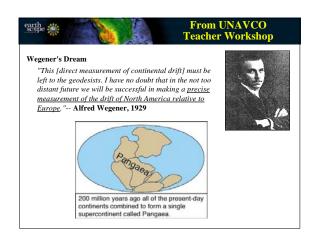




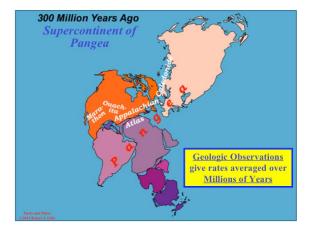










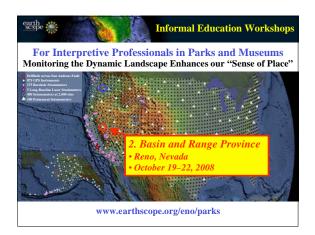




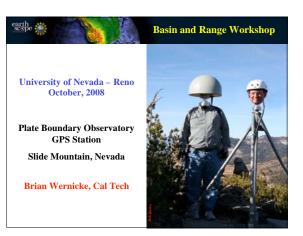


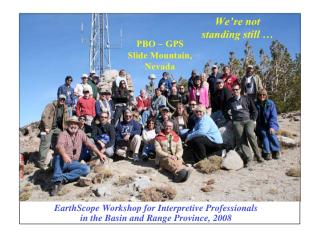




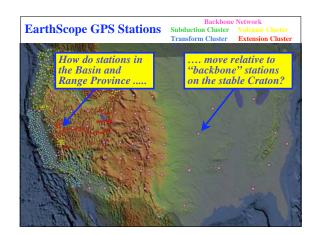


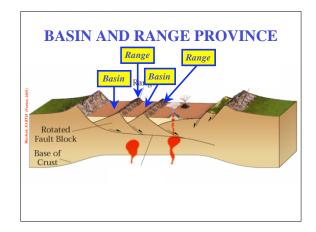
















EarthScope Workshop for Interpretive Professionals in the Basin and Range Province, 2008







